STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information
Center (STIC) detected errors when processing the following computer readable
form:

Application Serial Number: _10/549,661_

Source: _Pu/10_

Date Processed by STIC: _10/4/05_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE
    APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
    NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER
VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
       http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is
a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the
United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , EFS Submission
    User Manual - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
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    Alexandria, VA 22314

Revised 01/24/05

PCT

RAW SEQUENCE LISTING   DATE: 10/04/2005
PATENT APPLICATION: **US/10/549,661**   TIME: 09:53:20

Input Set : **A:\SYQ96025d1d_SI21268US_Seq List.txt**
Output Set: **N:\CRF4\10042005\J549661.raw**

```
   1 <110> APPLICANT: Samsung Electronics Co. Ltd.
   3 <120> TITLE OF INVENTION: A polynucleotide associated with a colon cancer comprising
single
   4       nucleotide polymorphism, microarray and diagnostic kit comprising
   5       the same and method for diagnosing a colon cancer using the
   6       polynucleotide
   8 <130> FILE REFERENCE: PN060547
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/549,661
C--> 10 <141> CURRENT FILING DATE: 2005-09-16
  10 <160> NUMBER OF SEQ ID NOS: 48
  12 <170> SOFTWARE: KopatentIn 1.71
  14 <210> SEQ ID NO: 1
  15 <211> LENGTH: 201
  16 <212> TYPE: DNA
  17 <213> ORGANISM: Homo sapiens
  19 <220> FEATURE:
  20 <221> NAME/KEY: variation
  21 <222> LOCATION: (101)
  22 <223> OTHER INFORMATION: n=A or C, polymorphic site
  25 <400> SEQUENCE: 1
  26 tacattactg tattgtatac attttgtcta tttcttcttt gattttgttt ttgtttttat        60
W--> 28 aattatttca ggtgtggggа aaaattctgt ccctgatact ncatcttgtc cagaactgga       120
  30 agagctcatt atttctttat ttgtactgtt tttatctatt catccatagt gttctcaaca       180
  32 gagctatcaa aagtattatc a                                                  201
  35 <210> SEQ ID NO: 2
  36 <211> LENGTH: 201
  37 <212> TYPE: DNA
  38 <213> ORGANISM: Homo sapiens
  40 <220> FEATURE:
  41 <221> NAME/KEY: variation
  42 <222> LOCATION: (101)
  43 <223> OTHER INFORMATION: n=A or G, polymorphic site
  46 <400> SEQUENCE: 2
  47 tctataccac agtagtgttg atctcaagag cttagcatgt tggcttaaag acatccaggg        60
W--> 49 atgaggtgtt ggagtcagat tgagtttgaa tcttagctct ncttgtatta ctgtgttatc       120
  51 ttggccaagt atttaacctc tctgaaatag gttttctcag ggctgtgaag tttggaagat       180
  53 acataaaagc ccaaagaaaa a                                                  201
  56 <210> SEQ ID NO: 3
  57 <211> LENGTH: 201
  58 <212> TYPE: DNA
  59 <213> ORGANISM: Homo sapiens
  61 <220> FEATURE:
  62 <221> NAME/KEY: variation
  63 <222> LOCATION: (101)
```

Does Not Comply
Corrected Diskette Needе

RAW SEQUENCE LISTING   DATE: 10/04/2005
PATENT APPLICATION: US/10/549,661   TIME: 09:53:20

Input Set : A:\SYQ96025d1d_SI21268US_Seq List.txt
Output Set: N:\CRF4\10042005\J549661.raw

```
      64 <223> OTHER INFORMATION: n=A or C, polymorphic site
      67 <400> SEQUENCE: 3
      68 ccttaaggtg gacagaaaat gaattgtttc cttcttacca tctgttattg ttttgcctg          60
W--> 70 aaggcctgac tgccttccta ctccctaata aacaaagggg nattctattg accaattcat         120
      72 tttcaaagag attttaaaag gcattaagca atcaattctc acatagtgtc caaattgagt         180
      74 ctctcattca ttctcttgcc t                                                   201
      77 <210> SEQ ID NO: 4
      78 <211> LENGTH: 201
      79 <212> TYPE: DNA
      80 <213> ORGANISM: Homo sapiens
      82 <220> FEATURE:
      83 <221> NAME/KEY: variation
      84 <222> LOCATION: (101)
      85 <223> OTHER INFORMATION: n=G or C, polymorphic site
      88 <400> SEQUENCE: 4
      89 tgacctcagg tgatccaccc acctcggcat cccaaagtgc tgggattaca ggtgtgagcc         60
W--> 91 accacaccag gccttgggta ccatgccttg aaccatttca ntgccttttg gagatggatg        120
      93 agttgccagc atccttctta gatccctata tatttgttta tttattgaac aaatacatat        180
      95 taacttatct ttttgaccaa a                                                  201
      98 <210> SEQ ID NO: 5
      99 <211> LENGTH: 201
     100 <212> TYPE: DNA
     101 <213> ORGANISM: Homo sapiens
     103 <220> FEATURE:
     104 <221> NAME/KEY: variation
     105 <222> LOCATION: (101)
     106 <223> OTHER INFORMATION: n=G or T, polymorphic site
     109 <400> SEQUENCE: 5
     110 cccaggattg gaaatgatgg atgctttcca ggggccccga tccatcatca gatgaatacg        60
W--> 112 cagcccctc cccaaggaag ctcctggttc attgagatgc ntaattctct ccttattttc        120
     114 attactgttt ctcgtttgta tggattattt ttcttcagta atctgggctt tacatgactg        180
     116 aataagaaaa tcatttgttc a                                                  201
     119 <210> SEQ ID NO: 6
     120 <211> LENGTH: 201
     121 <212> TYPE: DNA
     122 <213> ORGANISM: Homo sapiens
     124 <220> FEATURE:
     125 <221> NAME/KEY: variation
     126 <222> LOCATION: (101)
     127 <223> OTHER INFORMATION: n=A or T, polymorphic site
     130 <400> SEQUENCE: 6
     131 atttcctgcc tgtgataaat gtgtcccaat atttgtcttt tggttgttgt tgttgagaat        60
W--> 133 catttctcat gttgggaaat gtgaagtcaa atagtgtgac nggacttgct gaatgattga        120
     135 gtcaaccaca aatggtattg tcaaccatgg ctgttgaatt aatgagaaca attaaaactc        180
     137 atttttcaga ggtcaaaaga t                                                  201
     140 <210> SEQ ID NO: 7
     141 <211> LENGTH: 201
     142 <212> TYPE: DNA
     143 <213> ORGANISM: Homo sapiens
```

RAW SEQUENCE LISTING   DATE: 10/04/2005
PATENT APPLICATION: US/10/549,661   TIME: 09:53:20

Input Set : A:\SYQ96025d1d_SI21268US_Seq List.txt
Output Set: N:\CRF4\10042005\J549661.raw

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        145 <220> FEATURE:
        146 <221> NAME/KEY: variation
        147 <222> LOCATION: (101)
        148 <223> OTHER INFORMATION: n=G or T, polymorphic site
        151 <400> SEQUENCE: 7
        152 attagctaaa cagtttaatg atgatctgcc aagaaattga tgtcagcagt tagaaaacta         60
W--> 154 aagtcctttt ttatgcagag acagcacagt tggtaaaatt nttatagttg acaagttgga        120
        156 aagcagtgca tgtctctgac aagacttcag ctctgtggga agtgtttgga aagaaatgga        180
        158 gtgatagtgt ttgttggcat t                                                  201
        161 <210> SEQ ID NO: 8
        162 <211> LENGTH: 201
        163 <212> TYPE: DNA
        164 <213> ORGANISM: Homo sapiens
        166 <220> FEATURE:
        167 <221> NAME/KEY: variation
        168 <222> LOCATION: (101)
        169 <223> OTHER INFORMATION: n=A or C, polymorphic site
        172 <400> SEQUENCE: 8
W--> 173 tgctcatgta ccttatggat ttgacccacc tcattctgga caancctca ggaggatctc          60
        175 ttcagggaca tgatgcagtt ttgagactgg tggagattcg nacggtatga agcatttggc        120
        177 ttcttggagt tttaggtttc taaattttga gctccaaggg tatcacacag tagctctcat        180
        179 ttaagtgagt cttctcatgt t                                                  201
        182 <210> SEQ ID NO: 9
        183 <211> LENGTH: 201
        184 <212> TYPE: DNA
        185 <213> ORGANISM: Homo sapiens
        187 <220> FEATURE:
        188 <221> NAME/KEY: variation
        189 <222> LOCATION: (101)
        190 <223> OTHER INFORMATION: n=G or T, polymorphic site
        193 <400> SEQUENCE: 9
        194 aatatgatgt cttggatttg cttcaaaata atacaagaaa agggtttgac ttttggtcag         60
W--> 196 tatatagatg agtcatgact gaccatgggg tgacaattgt ngaagctgag ttaggtaccc        120
        198 agaggttcgt tataatattc tgtctatgtt aatctgcaat atgtctgaca ttttttataa        180
        200 ttaaaacttc ttttgaaaag a                                                  201
        203 <210> SEQ ID NO: 10
        204 <211> LENGTH: 201
        205 <212> TYPE: DNA
        206 <213> ORGANISM: Homo sapiens
        208 <220> FEATURE:
        209 <221> NAME/KEY: variation
        210 <222> LOCATION: (101)
        211 <223> OTHER INFORMATION: n=G or T, polymorphic site
        214 <400> SEQUENCE: 10
        215 attaaaaaac ctgtattttt ggatgtattt ttagaaaaac agatttacag gaaacaaacc         60
W--> 217 aaacaaaaag acttgtggta caagaaaatt agaaaataca ntatatttaa aatggacgtg        120
        219 ttagcttgtc ccaggtaaac tcagttcaaa atatgggata aaagagattt tacttttaac        180
        221 ttcgaacagc tagagaatga t                                                  201
        224 <210> SEQ ID NO: 11
```

(handwritten annotation) What about "n" at location 45?

RAW SEQUENCE LISTING   DATE: 10/04/2005
PATENT APPLICATION: US/10/549,661   TIME: 09:53:20

Input Set : A:\SYQ96025d1d_SI21268US_Seq List.txt
Output Set: N:\CRF4\10042005\J549661.raw

```
       225 <211> LENGTH: 201
       226 <212> TYPE: DNA
       227 <213> ORGANISM: Homo sapiens
       229 <220> FEATURE:
       230 <221> NAME/KEY: variation
       231 <222> LOCATION: (101)
       232 <223> OTHER INFORMATION: n=A or G, polymorphic site
       235 <400> SEQUENCE: 11
       236 aattggtaat tactttgatt aaattaattt aaaacttggc agtctgtgga gacatttttg     60
W--> 238 attgttagag cttggagggg ccatccgtgg gaagaggcca nggatgctgc tggaaaccta    120
       240 caatgcccag gacagccctc aacaaaaaat gttctggctt caaatgtcaa tagctctgag    180
       242 attgagaaac cctgttatag t                                             201
       245 <210> SEQ ID NO: 12
       246 <211> LENGTH: 201
       247 <212> TYPE: DNA
       248 <213> ORGANISM: Homo sapiens
       250 <220> FEATURE:
       251 <221> NAME/KEY: variation
       252 <222> LOCATION: (101)
       253 <223> OTHER INFORMATION: n=A or G, polymorphic site
       256 <400> SEQUENCE: 12
       257 aagcagaaga tgaccagtct gaggcttcag ggaagaaatc tgtgaaggga gtgtctaaga     60
W--> 259 aatatgttcc tccacgcttg gttccagtac attatggtat naactttggc tgctgcctcc    120
       261 tcagcatgaa ctgtttctct tttctctgtt cttggataac cctgcttatt ttcatcatgt    180
       263 agatgaaaca gaagctgagc g                                             201
       266 <210> SEQ ID NO: 13
       267 <211> LENGTH: 30
       268 <212> TYPE: DNA
       269 <213> ORGANISM: Artificial Sequence
       271 <220> FEATURE:
       272 <223> OTHER INFORMATION: primer
       275 <400> SEQUENCE: 13
       276 acgttggatg gagctcttcc agttctggac                                     30
       279 <210> SEQ ID NO: 14
       280 <211> LENGTH: 30
       281 <212> TYPE: DNA
       282 <213> ORGANISM: Artificial Sequence
       284 <220> FEATURE:
       285 <223> OTHER INFORMATION: primer
       288 <400> SEQUENCE: 14
       289 acgttggatg tcaggtgtgg ggaaaaattc                                     30
       292 <210> SEQ ID NO: 15
       293 <211> LENGTH: 19
       294 <212> TYPE: DNA
       295 <213> ORGANISM: Artificial Sequence
       297 <220> FEATURE:
       298 <223> OTHER INFORMATION: primer
       301 <400> SEQUENCE: 15
       302 tccagttctg gacaagatg                                                 19
```

RAW SEQUENCE LISTING   DATE: 10/04/2005
PATENT APPLICATION: US/10/549,661   TIME: 09:53:20

Input Set : A:\SYQ96025d1d_SI21268US_Seq List.txt
Output Set: N:\CRF4\10042005\J549661.raw

```
305 <210> SEQ ID NO: 16
306 <211> LENGTH: 30
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: primer
314 <400> SEQUENCE: 16
315 acgttggatg aaagacatcc agggatgagg                                30
318 <210> SEQ ID NO: 17
319 <211> LENGTH: 30
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: primer
327 <400> SEQUENCE: 17
328 acgttggatg acttggccaa gataacacag                                30
331 <210> SEQ ID NO: 18
332 <211> LENGTH: 20
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: primer
340 <400> SEQUENCE: 18
341 tgagtttgaa tcttagctct                                          20
344 <210> SEQ ID NO: 19
345 <211> LENGTH: 30
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: primer
353 <400> SEQUENCE: 19
354 acgttggatg tggacactat gtgagaattg                                30
357 <210> SEQ ID NO: 20
358 <211> LENGTH: 31
359 <212> TYPE: DNA·
360 <213> ORGANISM: Artificial Sequence
362 <220> FEATURE:
363 <223> OTHER INFORMATION: primer
366 <400> SEQUENCE: 20
367 acgttggatg ccttcctact ccctaataaa c                             31
370 <210> SEQ ID NO: 21
371 <211> LENGTH: 24
372 <212> TYPE: DNA
373 <213> ORGANISM: Artificial Sequence
375 <220> FEATURE:
376 <223> OTHER INFORMATION: primer
379 <400> SEQUENCE: 21
380 tgaaaatgaa ttggtcaata gaat                                     24
383 <210> SEQ ID NO: 22
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 10/04/2005
PATENT APPLICATION: US/10/549,661   TIME: 09:53:21

Input Set : **A:\SYQ96025d1d_SI21268US_Seq List.txt**
Output Set: **N:\CRF4\10042005\J549661.raw**

<u>**Please Note:**</u>
**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.**

Seq#:1; N Pos. 101
Seq#:2; N Pos. 101
Seq#:3; N Pos. 101
Seq#:4; N Pos. 101
Seq#:5; N Pos. 101
Seq#:6; N Pos. 101
Seq#:7; N Pos. 101
Seq#:8; N Pos. 45,101
Seq#:9; N Pos. 101
Seq#:10; N Pos. 101
Seq#:11; N Pos. 101
Seq#:12; N Pos. 101

VERIFICATION SUMMARY   DATE: 10/04/2005
PATENT APPLICATION: **US/10/549,661**   TIME: 09:53:21

Input Set : **A:\SYQ96025dld_SI21268US_Seq List.txt**
Output Set: **N:\CRF4\10042005\J549661.raw**

```
L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:28 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:60
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:60
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:60
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:60
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:60
L:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:60
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
M:341 Repeated in SeqNo=8
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:60
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:60
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:60
L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:60
```